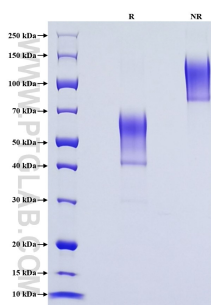


Recombinant Mouse Glycophorin A protein (mFc Tag)(HPLC verified)

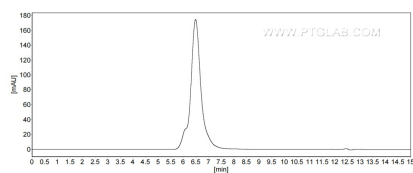
Catalog Number: Eg1869

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: mFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse Glycophorin A protein Met1-Val108 (Accession# P14220) with a mouse IgG Fc tag at the C-terminus. GeneID: 14934 Accession: P14220 Predicted Molecular Mass: 38.0 kDa SDS-PAGE: 40-70 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Glycophorin A (GYPA) is also named CD235a and PAS-2. It is a component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane. GYPA is the major transmembrane sialoglycoprotein in erythrocytes. It is a dimeric type I transmembrane protein carrying 15 closely clustered O-linked tetrasaccharides capped with sialic acid/N-acetylneuraminic acid (Neu5Ac). This 36 kDa protein represents the major sialoglycoprotein of the red blood cell membrane displaying about one million copies per cell.		
References	1. Vallese F, et al. (2022). Nat Struct Mol Biol. 29(7):706-718. 2. Hassoun H, et al. (1998). Blood. 91(6):2146-51.		
Synonyms	CD235a, Glycophorin-A, GPA, Gypa		

Selected Validation Data



Purity of Recombinant Mouse Glycophorin A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse Glycophorin A was greater than 90% as determined by SEC-HPLC.